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"List of parasitic fungi of Wisconsin," published in 1912. In these lists many species are presented, either unreported before, more critically studied, or on additional hosts, and 23 new species are described in the following genera: *Ascochyta* (2), *Cercospora* (6), *Cercospora* (4), *Colletotrichum* (2), *Cylindrosporium*, *Diplodia*, *Fusarium*, *Phyllosticta*, *Ramularia* (2), *Septoria* (3).—J. M. C.

**Secretory tissues of Marattiaceae.**—WEST<sup>13</sup> has investigated the two kinds of secretory tissues that characterize the Marattiaceae, namely the mucilage canals and the cells or ducts containing tannin. He discovered lysigenous mucilage canals in every genus and species examined. The tannin cells are widely distributed through the tissues, occurring either as isolated sacs or grouped together in series.—J. M. C.

**Seeds of Ginkgo.**—Miss AFFOURTIT and Miss LA RIVIÈRE<sup>14</sup> have discovered considerable variation in the ribbing in the seeds of *Ginkgo*. They have been described in general as having two ribs and occasionally three. A large number of seeds from a single tree growing in a garden near Rotterdam showed 2, 3, or 4 ribs, and also many gradual transitions.—J. M. C.

**Flora of New Guinea.**—A new fascicle of the Dutch exploration of the flora of New Guinea has appeared.<sup>15</sup> Previous parts have been reviewed in this journal.<sup>16</sup> The fascicle consists of the beginning of a critical presentation of the orchid flora by J. J. SMITH. The present fascicle contains 152 species in 45 genera.—J. M. C.

**A fossil moss.**—LIGNIER<sup>17</sup> has reported the discovery of a fossil moss from the silex of Grand 'Croix, referred to the Stephanian, in which the structure has been preserved with remarkable distinctness. The specimen is regarded as representing a new species, which is named *Muscites Bertrandi*.—J. M. C.

**Zygnemales.**—TRANSEAU<sup>18</sup> has made a study of Zygnemales, chiefly North American. The 36 species presented are distributed among the 3 genera as follows: *Debarya*, 3 species, 2 of which are new; *Zygnema*, 7 species, 1 of which is new; *Spirogyra*, 26 species, 8 of which are new.—J. M. C.

<sup>13</sup> WEST, CYRIL, On the structure and development of the secretory tissues of the Marattiaceae. Ann. Botany **29**:409-422. pl. 18. figs. 14. 1915.

<sup>14</sup> AFFOURTIT, Miss M. F. A., and LA RIVIÈRE, Miss H. C. C., On the ribbing of the seeds of *Ginkgo*. Ann. Botany **29**:591-595. fig. 1. 1915.

<sup>15</sup> Nova Guinea. Résultats de l'expédition scientifique Néerlandaise à la Nouvelle-Guinée en 1912 et 1913 sous les auspices de A. FRANSSEN HERDERSCHEE. Vol. XII. Botanique. Livraison III. 4to. pp. 173-272. pls. 55-99. Leide: E. J. Brill. 1915.

<sup>16</sup> BOT. GAZ. **49**:464. 1910; **55**:462. 1913; **57**:342. 1914; **59**:335. 1915.

<sup>17</sup> LIGNIER, O., Sur une mousse houillère à structure conservée. Bull. Soc. Linn. Normandie VI. **7**:128-131. fig. 1. 1914.

<sup>18</sup> TRANSEAU, E. N., Notes on the Zygnemales. Ohio Jour. Sci. **16**:17-31. 1915.